



Test Report

Template

Doc. No.: 001317

Version: C.7

Date: 2021-03-25

Location 地点: Global 全球

Gentherm Automotive Systems (China) Ltd. 捷温汽车系统（中国）有限公司

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Test Report No. 实验报告: 75943 01 description 描述: air flow test 通风量试验

Name 测试人:	May Liu	Requestor's name and address (location):	Tony Zhu Design Department Gentherm China 设计部, 中国捷温
Date of Report:	MAR.25, 2021	Customer program name 客户项目号:	NA
报告日期:	2021 年 3 月 25 日		

Purpose/task 目的/任务:

- External experiments entrusted by customers 外部客户委托试验
- To perform Air flow test 进行通风量试验

Remarks and deviations 备注和偏差:

- Project No. 项目号: NA

Sample(s) (date of receipt and condition upon receipt/Bill of Material & parameters of samples) 样品 (样品接收时间和状态/样品明细/样品参数):

- Sample Quantity: 1 seat 样品数量: 1 把座椅
- Sample in: Feb.20, 2021 样品接收日期: 2021 年 2 月 20 日

Specification (version and release date) 实验标准 (版本和发行日期):

- The seat was provided by the customer; test method was provided by the customer.
- 座椅由客户提供, 详细方法参照客户提供的方法

Summary of results 报告结论:

Pass, test result met the customer requirement.

合格, 试验结果满足客户需求。

For more information please refer to the attached tables and images.

需要更多信息请参考附加表格和图片。

Date

Approved by Freya Feng (Test Lab Manager) (Signature not necessary. Report was released electronically)

The test results apply only to the tested parts. A partial publication of test results is not permitted.

When determining pass / fail, simple acceptance is utilized, i.e. tolerance is not adjusted by measurement uncertainty.



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Equipment used (incl. calibration information) 使用设备（包含校正信息）:

- | | |
|--|--|
| - Power Supply 电源(PM-1623771-L) | Calibration Due Date 校准到期日: Jul.21, 2021 |
| - Thermo hygrometer 温湿度记录仪(PM-1323300-L) | Calibration Due Date 校准到期日: Apr.21, 2021 |
| - Air flow tester 叶轮式风速仪(PM-1623893-L) | Calibration Due Date 校准到期日: May 12, 2021 |

Test set-up and procedure 实验设置和步骤:

Test procedure 实验步骤:

- Put the seat into the fixture for the air flow measurement and connected to the air flow tester.
将座椅放在空气流量测量的装置里，连接风速仪。
- Close the gap between seat and support fixture using seal tape to prevent air leaking.
用胶带粘贴到坐垫和靠背，并与夹具之间的缝隙，以防止漏风。
- Set power 24V for seat and turn on cooling high level. Record air flow test result of seat.
给座椅提供 24 伏的电压，并打开通风高档,记录座椅通风量
- Set power 24V for seat and turn on cooling low level. Record air flow test result of seat.
给座椅提供 24 伏的电压，并打开通风低档,记录座椅通风量。
- Tester(52Kg) sat on the seat and repeat c and d record air flow test result of seat again.
测试人员（52 公斤）坐在座椅上，重复第三步和第四步再次记录通风量。

Pass / Fail Criteria 合格/失败标准: test result must be not less than 420L/min by Unoccupied with high level, test result must be not less than 300L/min by Occupied with high level.

通风装置在座椅工作最高档范围内不使用座椅时，空气体积流量应不少于 420L/min, 使用座椅时，空气体积流量应不少于 300L/min。

Testing performed by: May.Liu

测试人: 刘坤

Date of test: MAR.25,
2021 实验日期: 2021 年 3
月 25 日

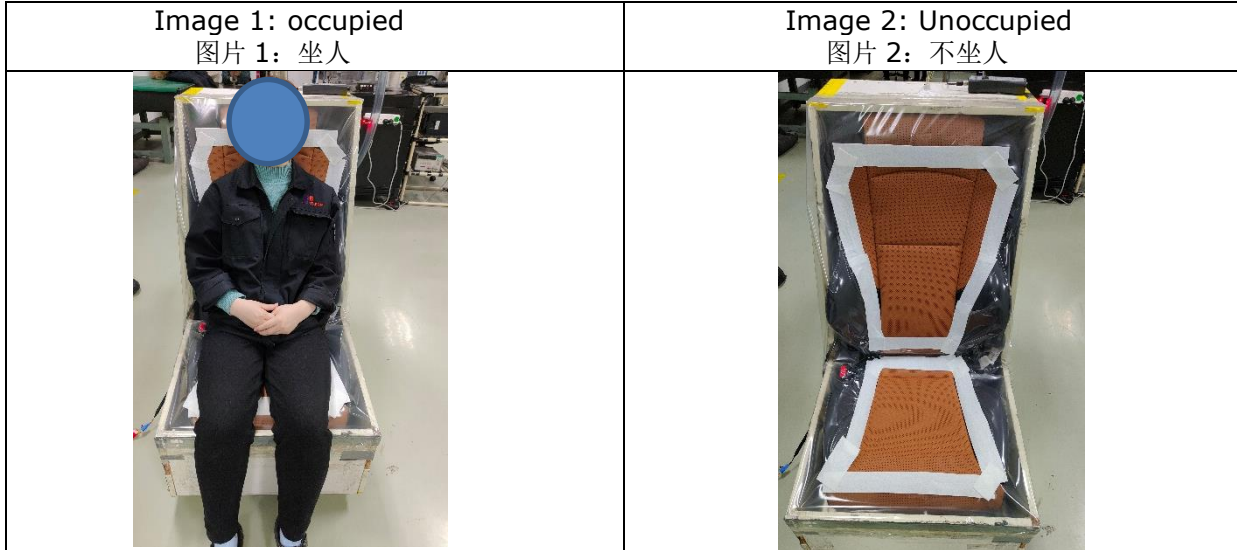
Test location: Test lab Gentherm China
实验地点: 中国捷温实验室

Ambient conditions of the test lab: 22.5°C/51%RH

实验室环境条件: 温度 22.5°C/湿度 51%

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Images of test set up 实验设置图片:



Results and analysis 结果和分析:

	24V	m/s	L/min	Criterion 标准	Pass or Fail 合格或失败
Unoccupied 不坐人	High level 高档	4.06	621.5	≥420L/min	Pass
	Low level 低档	3.52	537.4	NA	NA
Occupied 坐人	High level 高档	2.08	313.4	≥300L/min	Pass
	Low level 低档	1.82	272.9	NA	NA

Additional information (graphs and images) 附加信息 (图表和图片):

NA